



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 08/833,506

Art Unit / Team No. : 1642

Date Processed by STIC: 7/14/98

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**

# Raw Sequence Listing Error Summary

## ERROR DETECTED   SUGGESTED CORRECTION

- 1 ☐ Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
  
- 2 ☐ Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
  
- 3 ☐ Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.  
All text must be visible on page.
  
- 4 ☐ Misaligned Amino Acid Numbering      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and uses spacing between the numbers.
  
- 5 ☒ Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
  
- 6 ☐ Variable Length      Sequence(s) ☐ contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and indicate in the (ix) features section that some may be missing.
  
- 7 ☒ Wrong Designation      Sequence(s) 6, 7, 12, 13 contain amino acid or nucleic acid designators which are not standard representations as per the Sequence Rules (Please refer to paragraph 1.822)
  
- 8 ☐ Skipped Sequences (OLD RULES)      Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence:  
**(2) INFORMATION FOR SEQ ID NO:X:**  
**(i) SEQUENCE CHARACTERISTICS:**(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
**(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:**  
**This sequence is intentionally skipped**  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
  
- 9 ☐ Skipped Sequences (NEW RULES)      Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence.  
**<210> X**  
**<400> X**  
**000**
  
- 10 ☐ Use of N's or Xaa's (NEW RULES)      Use of N's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
  
- 11 ☐ Use of <213>Organism (NEW RULES)      Sequence(s) ☐ are missing this mandatory field or it's response.
  
- 12 ☐ Use of <220>Feature (NEW RULES)      Sequence(s) ☐ are missing the <220>Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
  
- 13 ☐ Wrong Format      File submitted was in the alphabetical heading format of the Old Sequence Rules. This is invalid since the "Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Disclosures" Federal Register Notice, Vol. 63, No. 104, June 1, 1998, p. 29620 applies to applications filed on or after July 1, 1998.
  
- 14 ☐ OTHER      \_\_\_\_\_  
\_\_\_\_\_

Steff

1642

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506

DATE: 07/14/98  
TIME: 12:33:18

INPUT SET: S27446.raw

This Raw Listing contains the General  
Information Section and those Sequences  
containing ERRORS.

SEQUENCE LISTING

Does Not Comply  
Corrected Diskette Needed

See Error summary  
sheet and  
internal -  
annotations  
for error  
descriptions

--> 1  
2  
3 (1) General Information:  
4 (i) APPLICANT: ROBERT WEBBER  
5 (ii) TITLE OF INVENTION: IMMUNOASSAY METHOD EMPLOYING MONOCLONAL  
6 ANTIBODY REACTIVE TO HUMAN INOS  
7 (iii) NUMBER OF SEQUENCES: 85 126 shown in file (see p. 36)  
8 (iv) CORRESPONDENCE ADDRESS:  
9 (A) ADDRESSEE: BIELEN, PETERSON & LAMPE  
10 (B) STREET: 1990 N. CALIFORNIA BOULEVARD, SUITE 720  
11 (C) CITY: WALNUT CREEK  
12 (D) STATE: CALIFORNIA  
13 (E) COUNTRY: UNITED STATES OF AMERICA  
14 (F) ZIP: 94596  
15 (v) COMPUTER READABLE FORM:  
16 (A) MEDIUM TYPE: DISKETTE 3.5 INCH, 1.44 MB FOR FORMATTED  
17 (B) COMPUTER: IBM PC COMPATIBLE  
18 (C) OPERATING SYSTEM: DOS  
19 (D) SOFTWARE: WORDPERFECT 5.1  
20 (vi) CURRENT APPLICATION DATA:  
21 (A) APPLICATION NUMBER: 08/634,332  
22 (B) FILING DATE: 12 APRIL 1996  
23 (C) CLASSIFICATION:  
24 (vii) PRIOR APPLICATION DATA:  
25 (A) APPLICATION NUMBER: ~~NONE~~ delete  
26 (B) FILING DATE: NONE  
27 (viii) ATTORNEY/AGENT INFORMATION:  
28 (A) NAME: THEODORE J. BIELEN, JR.  
29 (B) REGISTRATION NUMBER: 27,420  
30 (C) REFERENCE/DOCKET NUMBER: 12280  
31 (ix) TELECOMMUNICATION INFORMATION:  
32 (A) TELEPHONE: (510) 937-1515  
33 (B) TELEFAX: (510) 937-1529  
34  
35

These go under (vii) PRIOR  
APP DATA:

ERRORED SEQUENCES FOLLOW:

--> 133 (2) INFORMATION FOR SEQ ID NO: 6:  
134 (i) SEQUENCE CHARACTERISTICS:  
135 (A) LENGTH: 18  
136 (B) TYPE: AMINO ACID

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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137 (D) TOPOLOGY: LINEAR  
138 (ii) MOLECULE TYPE: PEPTIDE  
139 (ix) FEATURE:  
140 (A) NAME/KEY: MOUSE iNOS (776-792)  
141 (B) LOCATION:  
142 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
143 (D) OTHER INFORMATION:  
144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
145 *use "Xaa"*  
--> 146 Xxx Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp  
147 5 10  
148 Cys Pro Thr Pro His  
149 15  
150  
151 *see item #7 on Enr summary sheet*  
152

---

153 (2) INFORMATION FOR SEQ ID NO: 7:  
154 (i) SEQUENCE CHARACTERISTICS:  
--> 155 (A) LENGTH: 18  
156 (B) TYPE: AMINO ACID  
157 (D) TOPOLOGY: LINEAR  
158 (ii) MOLECULE TYPE: PEPTIDE  
159 (ix) FEATURE:  
160 (A) NAME/KEY: RAT iNOS (780-794)  
161 (B) LOCATION:  
162 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
163 (D) OTHER INFORMATION:  
164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
165  
--> 166 Xxx Xxx Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp  
167 5 10  
--> 168 Cys Ser Ser Pro Xxx  
169 15  
170  
171

---

248 (2) INFORMATION FOR SEQ ID NO: 12:  
249 (i) SEQUENCE CHARACTERISTICS:  
--> 250 (A) LENGTH: 18  
251 (B) TYPE: AMINO ACID  
252 (D) TOPOLOGY: LINEAR  
253 (ii) MOLECULE TYPE: PEPTIDE  
254 (ix) FEATURE:  
255 (A) NAME/KEY: HUMAN eNOS (1017-1031)  
256 (B) LOCATION:  
257 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
258 (D) OTHER INFORMATION:  
259 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
260  
261 Gly Ile Ala Pro Phe Arg Gly Phe Trp Gln Glu Arg Leu  
262 5 10  
--> 263 His Asp Xxx Xxx Xxx

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

264 15  
265  
266

---

267 (2) INFORMATION FOR SEQ ID NO: 13:  
268 (i) SEQUENCE CHARACTERISTICS:  
--> 269 (A) LENGTH: 18  
270 (B) TYPE: AMINO ACID  
271 (D) TOPOLOGY: LINEAR  
272 (ii) MOLECULE TYPE: PEPTIDE  
273 (ix) FEATURE:  
274 (A) NAME/KEY: BOVINE eNOS (1019-1033)  
275 (B) LOCATION:  
276 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
277 (D) OTHER INFORMATION:  
278 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
279  
280 Gly Ile Ala Pro Phe Arg Gly Phe Trp Gln Glu Arg Leu  
281 5 10  
--> 282 His Asp Xxx Xxx Xxx  
283 15  
284  
285

---

419 (2) INFORMATION FOR SEQ ID NO: 21:  
420 (i) SEQUENCE CHARACTERISTICS:  
--> 421 (A) LENGTH: 12  
422 (B) TYPE: AMINO ACID  
423 (D) TOPOLOGY: LINEAR  
424 (ii) MOLECULE TYPE: PEPTIDE  
425 (ix) FEATURE:  
426 (A) NAME/KEY: heNOS [Cap-2-12, Cys13]  
427 (B) LOCATION: HUMAN eNOS: AMINO TERMINAL WITH CAPROIC ACID  
428 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
429 (D) OTHER INFORMATION:  
430 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
431  
--> 432 Cap-Gly Asn Leu Lys Ser Val Ala Gln Glu Pro Gly Cys  
433 5 10  
434  
435

---

*delete - inclusion in sequence - (ix) FEATURE: explanation is sufficient*

---

627 (2) INFORMATION FOR SEQ ID NO: 32:  
628 (i) SEQUENCE CHARACTERISTICS:  
--> 629 (A) LENGTH: 18  
630 (B) TYPE: AMINO ACID  
631 (D) TOPOLOGY: LINEAR  
632 (ii) MOLECULE TYPE: PEPTIDE  
633 (ix) FEATURE:  
634 (A) NAME/KEY: (A3) LOCUS HUMAN iNOS (25-42)  
635 (B) LOCATION:  
636 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
637 (D) OTHER INFORMATION:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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638 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32:  
639  
640 Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser Ser  
641 5 10  
--> 642 Pro Val Thr Gln Asp-amide  
643 15  
644  
645

*delete - indicate this is (ix) FEATURE:  
section,  
instead.*

646 (2) INFORMATION FOR SEQ ID NO: 33:  
647 (i) SEQUENCE CHARACTERISTICS:  
--> 648 (A) LENGTH: 18  
649 (B) TYPE: AMINO ACID  
650 (D) TOPOLOGY: LINEAR  
651 (ii) MOLECULE TYPE: PEPTIDE  
652 (ix) FEATURE:  
653 (A) NAME/KEY: MOUSE INOS (25-42)  
654 (B) LOCATION:  
655 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
656 (D) OTHER INFORMATION:  
657 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 33:  
658  
659 Asn Asn Asn Val Lys Lys Thr Pro Ser Ala Val Leu Ser  
660 5 10  
--> 661 Pro Thr Ile Gln Asp-amide  
662 15  
663  
664

*(This  
error  
occurs  
throughout  
listing.  
Please  
edit)*

665 (2) INFORMATION FOR SEQ ID NO: 34:  
666 (i) SEQUENCE CHARACTERISTICS:  
--> 667 (A) LENGTH: 18  
668 (B) TYPE: AMINO ACID  
669 (D) TOPOLOGY: LINEAR  
670 (ii) MOLECULE TYPE: PEPTIDE  
671 (ix) FEATURE:  
672 (A) NAME/KEY: RAT INOS (25-42)  
673 (B) LOCATION:  
674 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
675 (D) OTHER INFORMATION:  
676 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:  
677  
678 Asn Asn Asn Val Glu Lys Thr Pro Gly Ala Ile Pro Ser  
679 5 10  
--> 680 Pro Thr Thr Gln Asp-amide  
681 15  
682  
683

684 (2) INFORMATION FOR SEQ ID NO: 35:  
685 (i) SEQUENCE CHARACTERISTICS:  
--> 686 (A) LENGTH: 15  
687 (B) TYPE: AMINO ACID

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688 (D) TOPOLOGY: LINEAR  
689 (ii) MOLECULE TYPE: PEPTIDE  
690 (ix) FEATURE:  
691 (A) NAME/KEY: HUMAN INOS (28-42)  
692 (B) LOCATION:  
693 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
694 (D) OTHER INFORMATION:  
695 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35:  
696  
697 Val Glu Lys Ala Pro Ser Ala Thr Ser Ser Pro Val Thr  
698 5 10  
--> 699 Gln Asp-amide  
700 15  
701  
702

703 (2) INFORMATION FOR SEQ ID NO: 36:  
704 (i) SEQUENCE CHARACTERISTICS:  
--> 705 (A) LENGTH: 12  
706 (B) TYPE: AMINO ACID  
707 (D) TOPOLOGY: LINEAR  
708 (ii) MOLECULE TYPE: PEPTIDE  
709 (ix) FEATURE:  
710 (A) NAME/KEY: HUMAN INOS (31-42)  
711 (B) LOCATION:  
712 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
713 (D) OTHER INFORMATION:  
714 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:  
715  
--> 716 Ala Pro Ser Ala Thr Ser Ser Pro Val Thr Gln Asp-amide  
717 5 10  
718  
719

720 (2) INFORMATION FOR SEQ ID NO: 37:  
721 (i) SEQUENCE CHARACTERISTICS:  
--> 722 (A) LENGTH: 9  
723 (B) TYPE: AMINO ACID  
724 (D) TOPOLOGY: LINEAR  
725 (ii) MOLECULE TYPE: PEPTIDE  
726 (ix) FEATURE:  
727 (A) NAME/KEY: HUMAN INOS (34-42)  
728 (B) LOCATION:  
729 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
730 (D) OTHER INFORMATION:  
731 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:  
732  
--> 733 Ala Thr Ser Ser Pro Val Thr Gln Asp-amide  
734 5  
735  
736

737 (2) INFORMATION FOR SEQ ID NO: 38:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

738 (i) SEQUENCE CHARACTERISTICS:  
--> 739 (A) LENGTH: 6  
740 (B) TYPE: AMINO ACID  
741 (D) TOPOLOGY: LINEAR  
742 (ii) MOLECULE TYPE: PEPTIDE  
743 (ix) FEATURE:  
744 (A) NAME/KEY: HUMAN iNOS (37-42)  
745 (B) LOCATION:  
746 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
747 (D) OTHER INFORMATION:  
748 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:  
749  
--> 750 Ser Pro Val Thr Gln Asp-amide  
751 5  
752  
753

---

754 (2) INFORMATION FOR SEQ ID NO: 39:  
755 (i) SEQUENCE CHARACTERISTICS:  
--> 756 (A) LENGTH: 15  
757 (B) TYPE: AMINO ACID  
758 (D) TOPOLOGY: LINEAR  
759 (ii) MOLECULE TYPE: PEPTIDE  
760 (ix) FEATURE:  
761 (A) NAME/KEY: HUMAN iNOS (25-39)  
762 (B) LOCATION:  
763 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
764 (D) OTHER INFORMATION:  
765 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:  
766  
767 Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser Ser  
768 5 10  
--> 769 Pro Val-amide  
770 15  
771  
772

---

773 (2) INFORMATION FOR SEQ ID NO: 40:  
774 (i) SEQUENCE CHARACTERISTICS:  
--> 775 (A) LENGTH: 12  
776 (B) TYPE: AMINO ACID  
777 (D) TOPOLOGY: LINEAR  
778 (ii) MOLECULE TYPE: PEPTIDE  
779 (ix) FEATURE:  
780 (A) NAME/KEY: HUMAN iNOS (25-36)  
781 (B) LOCATION:  
782 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
783 (D) OTHER INFORMATION:  
784 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:  
785  
--> 786 Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser-amide  
787 5 10  
788

INPUT SET: S27446.raw

789

---

790 (2) INFORMATION FOR SEQ ID NO: 41:  
791 (i) SEQUENCE CHARACTERISTICS:  
--> 792 (A) LENGTH: 9  
793 (B) TYPE: AMINO ACID  
794 (D) TOPOLOGY: LINEAR  
795 (ii) MOLECULE TYPE: PEPTIDE  
796 (ix) FEATURE:  
797 (A) NAME/KEY: HUMAN iNOS (25-33)  
798 (B) LOCATION:  
799 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
800 (D) OTHER INFORMATION:  
801 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:  
802  
--> 803 Asn Asn Asn Val Glu Lys Ala Pro Ser-amide  
804 5  
805  
806

---

807 (2) INFORMATION FOR SEQ ID NO: 42:  
808 (i) SEQUENCE CHARACTERISTICS:  
--> 809 (A) LENGTH: 6  
810 (B) TYPE: AMINO ACID  
811 (D) TOPOLOGY: LINEAR  
812 (ii) MOLECULE TYPE: PEPTIDE  
813 (ix) FEATURE:  
814 (A) NAME/KEY: HUMAN iNOS (25-30)  
815 (B) LOCATION:  
816 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
817 (D) OTHER INFORMATION:  
818 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:  
819  
--> 820 Asn Asn Asn Val Glu Lys-amide  
821 5  
822  
823

---

824 (2) INFORMATION FOR SEQ ID NO: 43:  
825 (i) SEQUENCE CHARACTERISTICS:  
--> 826 (A) LENGTH: 18  
827 (B) TYPE: AMINO ACID  
828 (D) TOPOLOGY: LINEAR  
829 (ii) MOLECULE TYPE: PEPTIDE  
830 (ix) FEATURE:  
831 (A) NAME/KEY: (A4) LOCUS HUMAN iNOS (37-54)  
832 (B) LOCATION:  
833 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
834 (D) OTHER INFORMATION:  
835 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:  
836  
837 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu  
838 5 10

*next page*

RAW SEQUENCE LISTING  
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--> 839 Ser Lys Gln Gln Asn-amide  
840 15  
841  
842

---

843 (2) INFORMATION FOR SEQ ID NO: 44:  
844 (i) SEQUENCE CHARACTERISTICS:  
--> 845 (A) LENGTH: 15  
846 (B) TYPE: AMINO ACID  
847 (D) TOPOLOGY: LINEAR  
848 (ii) MOLECULE TYPE: PEPTIDE  
849 (ix) FEATURE:  
850 (A) NAME/KEY: HUMAN iNOS (40-54)  
851 (B) LOCATION:  
852 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
853 (D) OTHER INFORMATION:  
854 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:  
855  
856 Thr Gln Asp Asp Leu Gln Tyr His Asn Leu Ser Lys Gln  
857 5 10  
--> 858 Gln Asn-amide  
859 15  
860  
861

---

862 (2) INFORMATION FOR SEQ ID NO: 45:  
863 (i) SEQUENCE CHARACTERISTICS:  
--> 864 (A) LENGTH: 12  
865 (B) TYPE: AMINO ACID  
866 (D) TOPOLOGY: LINEAR  
867 (ii) MOLECULE TYPE: PEPTIDE  
868 (ix) FEATURE:  
869 (A) NAME/KEY: HUMAN iNOS (43-54)  
870 (B) LOCATION:  
871 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
872 (D) OTHER INFORMATION:  
873 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:  
874  
--> 875 Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn-amide  
876 5 10  
877  
878  
879  
880

---

881 (2) INFORMATION FOR SEQ ID NO: 46:  
882 (i) SEQUENCE CHARACTERISTICS:  
--> 883 (A) LENGTH: 9  
884 (B) TYPE: AMINO ACID  
885 (D) TOPOLOGY: LINEAR  
886 (ii) MOLECULE TYPE: PEPTIDE  
887 (ix) FEATURE:  
888 (A) NAME/KEY: HUMAN iNOS (46-54)

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PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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889 (B) LOCATION:  
890 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
891 (D) OTHER INFORMATION:  
892 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:  
893  
--> 894 Tyr His Asn Leu Ser Lys Gln Gln Asn-amide  
895 5  
896  
897

---

898 (2) INFORMATION FOR SEQ ID NO: 47:  
899 (i) SEQUENCE CHARACTERISTICS:  
--> 900 (A) LENGTH: 6  
901 (B) TYPE: AMINO ACID  
902 (D) TOPOLOGY: LINEAR  
903 (ii) MOLECULE TYPE: PEPTIDE  
904 (ix) FEATURE:  
905 (A) NAME/KEY: HUMAN INOS (49-54)  
906 (B) LOCATION:  
907 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
908 (D) OTHER INFORMATION:  
909 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:  
910  
--> 911 Leu Ser Lys Gln Gln Asn-amide  
912 5  
913  
914

---

915 (2) INFORMATION FOR SEQ ID NO: 48:  
916 (i) SEQUENCE CHARACTERISTICS:  
--> 917 (A) LENGTH: 15  
918 (B) TYPE: AMINO ACID  
919 (D) TOPOLOGY: LINEAR  
920 (ii) MOLECULE TYPE: PEPTIDE  
921 (ix) FEATURE:  
922 (A) NAME/KEY: HUMAN INOS (37-51)  
923 (B) LOCATION:  
924 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
925 (D) OTHER INFORMATION:  
926 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:  
927  
928 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu  
929 5 10  
--> 930 Ser Lys-amide  
931 15  
932  
933

---

934 (2) INFORMATION FOR SEQ ID NO: 49:  
935 (i) SEQUENCE CHARACTERISTICS:  
--> 936 (A) LENGTH: 12  
937 (B) TYPE: AMINO ACID  
938 (D) TOPOLOGY: LINEAR

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PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

939 (ii) MOLECULE TYPE: PEPTIDE  
940 (ix) FEATURE:  
941 (A) NAME/KEY: HUMAN iNOS (37-48)  
942 (B) LOCATION:  
943 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
944 (D) OTHER INFORMATION:  
945 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:  
946  
--> 947 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-amide  
948 5 10  
949  
950

---

951 (2) INFORMATION FOR SEQ ID NO: 50:  
952 (i) SEQUENCE CHARACTERISTICS:  
--> 953 (A) LENGTH: 9  
954 (B) TYPE: AMINO ACID  
955 (D) TOPOLOGY: LINEAR  
956 (ii) MOLECULE TYPE: PEPTIDE  
957 (ix) FEATURE:  
958 (A) NAME/KEY: HUMAN iNOS (37-45)  
959 (B) LOCATION:  
960 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
961 (D) OTHER INFORMATION:  
962 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:  
963  
--> 964 Ser Pro Val Thr Gln Asp Asp Leu Gln-amide  
965 5  
966  
967

---

968 (2) INFORMATION FOR SEQ ID NO: 51:  
969 (i) SEQUENCE CHARACTERISTICS:  
--> 970 (A) LENGTH: 6  
971 (B) TYPE: AMINO ACID  
972 (D) TOPOLOGY: LINEAR  
973 (ii) MOLECULE TYPE: PEPTIDE  
974 (ix) FEATURE:  
975 (A) NAME/KEY: HUMAN iNOS (37-42)  
976 (B) LOCATION:  
977 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
978 (D) OTHER INFORMATION:  
979 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:  
980  
--> 981 Ser Pro Val Thr Gln Asp-amide  
982 5  
983  
984  
985

---

986 (2) INFORMATION FOR SEQ ID NO: 52:  
987 (i) SEQUENCE CHARACTERISTICS:  
--> 988 (A) LENGTH: 18

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

989 (B) TYPE: AMINO ACID  
990 (D) TOPOLOGY: LINEAR  
991 (ii) MOLECULE TYPE: PEPTIDE  
992 (ix) FEATURE:  
993 (A) NAME/KEY: (F6) LOCUS HUMAN iNOS (781-798)  
994 (B) LOCATION:  
995 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
996 (D) OTHER INFORMATION:  
997 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:  
998  
999 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp  
1000 5 10  
--> 1001 Gly Pro Thr Pro His-amide  
1002 15  
1003  
1004

---

1005 (2) INFORMATION FOR SEQ ID NO: 53:  
1006 (i) SEQUENCE CHARACTERISTICS:  
--> 1007 (A) LENGTH: 19  
1008 (B) TYPE: AMINO ACID  
1009 (D) TOPOLOGY: LINEAR  
1010 (ii) MOLECULE TYPE: PEPTIDE  
1011 (ix) FEATURE:  
1012 (A) NAME/KEY: HUMAN eNOS (806-824)  
1013 (B) LOCATION:  
1014 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1015 (D) OTHER INFORMATION:  
1016 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:  
1017  
1018 Pro Gly Leu Val Glu Ala Leu Leu Ser Arg Val Glu Asp  
1019 5 10  
--> 1020 Pro Pro Ala Pro Thr Glu-amide  
1021 15  
1022  
1023

---

1024 (2) INFORMATION FOR SEQ ID NO: 54:  
1025 (i) SEQUENCE CHARACTERISTICS:  
--> 1026 (A) LENGTH: 15  
1027 (B) TYPE: AMINO ACID  
1028 (D) TOPOLOGY: LINEAR  
1029 (ii) MOLECULE TYPE: PEPTIDE  
1030 (ix) FEATURE:  
1031 (A) NAME/KEY: HUMAN iNOS (784-798)  
1032 (B) LOCATION:  
1033 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1034 (D) OTHER INFORMATION:  
1035 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:  
1036  
1037  
1038 Val Gln Gly Ile Leu Glu Arg Val Val Asp Gly Pro Thr  
1039 5 10

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

--> 1040 Pro His-amide  
1041 15  
1042  
1043

---

1044 (2) INFORMATION FOR SEQ ID NO: 55:  
1045 (i) SEQUENCE CHARACTERISTICS:  
--> 1046 (A) LENGTH: 12  
1047 (B) TYPE: AMINO ACID  
1048 (D) TOPOLOGY: LINEAR  
1049 (ii) MOLECULE TYPE: PEPTIDE  
1050 (ix) FEATURE:  
1051 (A) NAME/KEY: HUMAN iNOS (787-798)  
1052 (B) LOCATION:  
1053 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1054 (D) OTHER INFORMATION:  
1055 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 55:  
1056  
--> 1057 Ile Leu Glu Arg Val Val Asp Gly Pro Thr Pro His-amide  
1058 5 10  
1059  
1060

---

1061 (2) INFORMATION FOR SEQ ID NO: 56:  
1062 (i) SEQUENCE CHARACTERISTICS:  
--> 1063 (A) LENGTH: 9  
1064 (B) TYPE: AMINO ACID  
1065 (D) TOPOLOGY: LINEAR  
1066 (ii) MOLECULE TYPE: PEPTIDE  
1067 (ix) FEATURE:  
1068 (A) NAME/KEY: HUMAN iNOS (790-798)  
1069 (B) LOCATION:  
1070 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1071 (D) OTHER INFORMATION:  
1072 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 56:  
1073  
--> 1074 Arg Val Val Asp Gly Pro Thr Pro His-amide  
1075 5  
1076  
1077

---

1078 (2) INFORMATION FOR SEQ ID NO: 57:  
1079 (i) SEQUENCE CHARACTERISTICS:  
--> 1080 (A) LENGTH: 6  
1081 (B) TYPE: AMINO ACID  
1082 (D) TOPOLOGY: LINEAR  
1083 (ii) MOLECULE TYPE: PEPTIDE  
1084 (ix) FEATURE:  
1085 (A) NAME/KEY: HUMAN iNOS (793-798)  
1086 (B) LOCATION:  
1087 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1088 (D) OTHER INFORMATION:  
1089 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
TIME: 12:33:37

INPUT SET: S27446.raw

1090  
--> 1091 Asp Gly Pro Thr Pro His-amide  
1092 5  
1093  
1094

---

1095 (2) INFORMATION FOR SEQ ID NO: 58:  
1096 (i) SEQUENCE CHARACTERISTICS:  
--> 1097 (A) LENGTH: 14  
1098 (B) TYPE: AMINO ACID  
1099 (D) TOPOLOGY: LINEAR  
1100 (ii) MOLECULE TYPE: PEPTIDE  
1101 (ix) FEATURE:  
1102 (A) NAME/KEY: HUMAN iNOS (781-794)  
1103 (B) LOCATION:  
1104 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1105 (D) OTHER INFORMATION:  
1106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:  
1107  
1108 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp  
1109 5 10  
--> 1110 Gly-amide  
1111  
1112

---

1113 (2) INFORMATION FOR SEQ ID NO: 59:  
1114 (i) SEQUENCE CHARACTERISTICS:  
--> 1115 (A) LENGTH: 12  
1116 (B) TYPE: AMINO ACID  
1117 (D) TOPOLOGY: LINEAR  
1118 (ii) MOLECULE TYPE: PEPTIDE  
1119 (ix) FEATURE:  
1120 (A) NAME/KEY: HUMAN iNOS (781-792)  
1121 (B) LOCATION:  
1122 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1123 (D) OTHER INFORMATION:  
1124 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:  
1125  
--> 1126 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val-amide  
1127 5 10  
1128  
1129

---

1130 (2) INFORMATION FOR SEQ ID NO: 60:  
1131 (i) SEQUENCE CHARACTERISTICS:  
--> 1132 (A) LENGTH: 9  
1133 (B) TYPE: AMINO ACID  
1134 (D) TOPOLOGY: LINEAR  
1135 (ii) MOLECULE TYPE: PEPTIDE  
1136 (ix) FEATURE:  
1137 (A) NAME/KEY: HUMAN iNOS (781-789)  
1138 (B) LOCATION:  
1139 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

1140 (D) OTHER INFORMATION:  
1141 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 60:  
1142  
--> 1143 Pro Ala Leu Val Gln Gly Ile Leu Glu-amide  
1144 5  
1145  
1146

---

1147 (2) INFORMATION FOR SEQ ID NO: 61:  
1148 (i) SEQUENCE CHARACTERISTICS:  
--> 1149 (A) LENGTH: 6  
1150 (B) TYPE: AMINO ACID  
1151 (D) TOPOLOGY: LINEAR  
1152 (ii) MOLECULE TYPE: PEPTIDE  
1153 (ix) FEATURE:  
1154 (A) NAME/KEY: HUMAN iNOS (781-786)  
1155 (B) LOCATION:  
1156 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1157 (D) OTHER INFORMATION:  
1158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 61:  
1159  
--> 1160 Pro Ala Leu Val Gln Gly-amide  
1161 5  
1162  
1163

---

1164 (2) INFORMATION FOR SEQ ID NO: 62:  
1165 (i) SEQUENCE CHARACTERISTICS:  
--> 1166 (A) LENGTH: 18  
1167 (B) TYPE: AMINO ACID  
1168 (D) TOPOLOGY: LINEAR  
1169 (ii) MOLECULE TYPE: PEPTIDE  
1170 (ix) FEATURE:  
1171 (A) NAME/KEY: (G11) LOCUS HUMAN iNOS (985-1002)  
1172 (B) LOCATION:  
1173 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1174 (D) OTHER INFORMATION:  
1175 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 62:  
1176  
1177 Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu  
1178 5 10  
--> 1179 His Asp Ser Gln His-amide  
1180 15  
1181  
1182

---

1183 (2) INFORMATION FOR SEQ ID NO: 63:  
1184 (i) SEQUENCE CHARACTERISTICS:  
--> 1185 (A) LENGTH: 18  
1186 (B) TYPE: AMINO ACID  
1187 (D) TOPOLOGY: LINEAR  
1188 (ii) MOLECULE TYPE: PEPTIDE  
1189 (ix) FEATURE:

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PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

1190 (A) NAME/KEY: HUMAN nNOS (1256-1273)  
1191 (B) LOCATION:  
1192 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1193 (D) OTHER INFORMATION:  
1194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 63:  
1195  
1196 Gly Ile Ala Pro Phe Arg Ser Phe Trp Gln Gln Arg Gln  
1197 5 10  
--> 1198 Phe Asp Ile Gln His-amide  
1199 15  
1200  
1201

---

1202 (2) INFORMATION FOR SEQ ID NO: 64:  
1203 (i) SEQUENCE CHARACTERISTICS:  
--> 1204 (A) LENGTH: 15  
1205 (B) TYPE: AMINO ACID  
1206 (D) TOPOLOGY: LINEAR  
1207 (ii) MOLECULE TYPE: PEPTIDE  
1208 (ix) FEATURE:  
1209 (A) NAME/KEY: HUMAN eNOS (1017-1031)  
1210 (B) LOCATION:  
1211 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1212 (D) OTHER INFORMATION:  
1213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 64:  
1214  
1215 Gly Ile Ala Pro Phe Arg Gly Phe Trp Gln Glu Arg Leu  
1216 5 10  
--> 1217 His Asp-amide  
1218 15  
1219  
1220

---

1221 (2) INFORMATION FOR SEQ ID NO: 65:  
1222 (i) SEQUENCE CHARACTERISTICS:  
--> 1223 (A) LENGTH: 15  
1224 (B) TYPE: AMINO ACID  
1225 (D) TOPOLOGY: LINEAR  
1226 (ii) MOLECULE TYPE: PEPTIDE  
1227 (ix) FEATURE:  
1228 (A) NAME/KEY: HUMAN iNOS (988-1002)  
1229 (B) LOCATION:  
1230 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1231 (D) OTHER INFORMATION:  
1232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 65:  
1233  
1234 Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu His Asp Ser  
1235 5 10  
--> 1236 Gln His-amide  
1237 15  
1238  
1239

---

1240 (2) INFORMATION FOR SEQ ID NO: 66:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
TIME: 12:33:42

INPUT SET: S27446.raw

1241 (i) SEQUENCE CHARACTERISTICS:  
--> 1242 (A) LENGTH: 12  
1243 (B) TYPE: AMINO ACID  
1244 (D) TOPOLOGY: LINEAR  
1245 (ii) MOLECULE TYPE: PEPTIDE  
1246 (ix) FEATURE:  
1247 (A) NAME/KEY: HUMAN iNOS (991-1002)  
1248 (B) LOCATION:  
1249 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1250 (D) OTHER INFORMATION:  
1251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 66:  
1252  
--> 1253 Ser Phe Trp Gln Gln Arg Leu His Asp Ser Gln His-amide  
1254 5 10  
1255  
1256

---

1257 (2) INFORMATION FOR SEQ ID NO: 67:  
1258 (i) SEQUENCE CHARACTERISTICS:  
--> 1259 (A) LENGTH: 9  
1260 (B) TYPE: AMINO ACID  
1261 (D) TOPOLOGY: LINEAR  
1262 (ii) MOLECULE TYPE: PEPTIDE  
1263 (ix) FEATURE:  
1264 (A) NAME/KEY: HUMAN iNOS (994-1002)  
1265 (B) LOCATION:  
1266 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1267 (D) OTHER INFORMATION:  
1268 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:  
1269  
--> 1270 Gln Gln Arg Leu His Asp Ser Gln His-amide  
1271 5  
1272  
1273

---

1274 (2) INFORMATION FOR SEQ ID NO: 68:  
1275 (i) SEQUENCE CHARACTERISTICS:  
--> 1276 (A) LENGTH: 5  
1277 (B) TYPE: AMINO ACID  
1278 (D) TOPOLOGY: LINEAR  
1279 (ii) MOLECULE TYPE: PEPTIDE  
1280 (ix) FEATURE:  
1281 (A) NAME/KEY: HUMAN iNOS (997-1002)  
1282 (B) LOCATION:  
1283 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1284 (D) OTHER INFORMATION:  
1285 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68:  
1286  
--> 1287 His Asp Ser Gln His-amide  
1288 5  
1289  
1290

---

1291 (2) INFORMATION FOR SEQ ID NO: 69:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
TIME: 12:33:43

INPUT SET: S27446.raw

1292 (i) SEQUENCE CHARACTERISTICS:  
--> 1293 (A) LENGTH: 15  
1294 (B) TYPE: AMINO ACID  
1295 (D) TOPOLOGY: LINEAR  
1296 (ii) MOLECULE TYPE: PEPTIDE  
1297 (ix) FEATURE:  
1298 (A) NAME/KEY: HUMAN iNOS (985-998)  
1299 (B) LOCATION:  
1300 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1301 (D) OTHER INFORMATION:  
1302 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:  
1303  
1304 Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu  
1305 5 10  
--> 1306 His Asp-amide  
1307 15  
1308  
1309

---

1310 (2) INFORMATION FOR SEQ ID NO: 70:  
1311 (i) SEQUENCE CHARACTERISTICS:  
--> 1312 (A) LENGTH: 12  
1313 (B) TYPE: AMINO ACID  
1314 (D) TOPOLOGY: LINEAR  
1315 (ii) MOLECULE TYPE: PEPTIDE  
1316 (ix) FEATURE:  
1317 (A) NAME/KEY: HUMAN iNOS (985-996)  
1318 (B) LOCATION:  
1319 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1320 (D) OTHER INFORMATION:  
1321 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 70:  
1322  
--> 1323 Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg-amide  
1324 5 10  
1325  
1326

---

1327 (2) INFORMATION FOR SEQ ID NO: 71:  
1328 (i) SEQUENCE CHARACTERISTICS:  
--> 1329 (A) LENGTH: 9  
1330 (B) TYPE: AMINO ACID  
1331 (D) TOPOLOGY: LINEAR  
1332 (ii) MOLECULE TYPE: PEPTIDE  
1333 (ix) FEATURE:  
1334 (A) NAME/KEY: HUMAN iNOS (985-993)  
1335 (B) LOCATION:  
1336 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1337 (D) OTHER INFORMATION:  
1338 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71:  
1339  
--> 1340 Gly Ile Val Pro Phe Arg Ser Phe Trp-amide  
1341 5  
1342

INPUT SET: S27446.raw

1343

---

1344 (2) INFORMATION FOR SEQ ID NO: 72:  
1345 (i) SEQUENCE CHARACTERISTICS:  
--> 1346 (A) LENGTH: 6  
1347 (B) TYPE: AMINO ACID  
1348 (D) TOPOLOGY: LINEAR  
1349 (ii) MOLECULE TYPE: PEPTIDE  
1350 (ix) FEATURE:  
1351 (A) NAME/KEY: HUMAN iNOS (985-990)  
1352 (B) LOCATION:  
1353 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1354 (D) OTHER INFORMATION:  
1355 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 72:  
1356  
--> 1357 Gly Ile Val Pro Phe Arg-amide  
1358 5  
1359  
1360

---

1361 (2) INFORMATION FOR SEQ ID NO: 73:  
1362 (i) SEQUENCE CHARACTERISTICS:  
--> 1363 (A) LENGTH: 18  
1364 (B) TYPE: AMINO ACID  
1365 (D) TOPOLOGY: LINEAR  
1366 (ii) MOLECULE TYPE: PEPTIDE  
1367 (ix) FEATURE:  
1368 (A) NAME/KEY: (H1) LOCUS HUMAN iNOS (1009-1026)  
1369 (B) LOCATION:  
1370 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1371 (D) OTHER INFORMATION:  
1372 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 73:  
1373  
1374 Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro Asp Glu  
1375 5 10  
--> 1376 Asp His Ile Tyr Gln-amide  
1377 15  
1378  
1379

---

1380 (2) INFORMATION FOR SEQ ID NO: 74:  
1381 (i) SEQUENCE CHARACTERISTICS:  
--> 1382 (A) LENGTH: 17  
1383 (B) TYPE: AMINO ACID  
1384 (D) TOPOLOGY: LINEAR  
1385 (ii) MOLECULE TYPE: PEPTIDE  
1386 (ix) FEATURE:  
1387 (A) NAME/KEY: HUMAN eNOS (1041-1057)  
1388 (B) LOCATION:  
1389 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1390 (D) OTHER INFORMATION:  
1391 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 74:  
1392

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1393 Met Thr Leu Val Phe Gly Ser Arg Ser Ser Gln Leu Asp  
1394  
--> 1395 His Leu Tyr Arg<sup>5</sup>-amide  
1396 15  
1397  
1398

---

1399 (2) INFORMATION FOR SEQ ID NO: 75:  
1400 (i) SEQUENCE CHARACTERISTICS:  
--> 1401 (A) LENGTH: 17  
1402 (B) TYPE: AMINO ACID  
1403 (D) TOPOLOGY: LINEAR  
1404 (ii) MOLECULE TYPE: PEPTIDE  
1405 (ix) FEATURE:  
1406 (A) NAME/KEY: HUMAN nNOS (1281-1297)  
1407 (B) LOCATION:  
1408 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1409 (D) OTHER INFORMATION:  
1410 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 75:  
1411  
1412 Met Val Leu Val Phe Gly Ser Arg Gln Ser Lys Ile Asp  
1413 10  
--> 1414 His Ile Tyr Arg<sup>5</sup>-amide  
1415 15  
1416  
1417

---

1418 (2) INFORMATION FOR SEQ ID NO: 76:  
1419 (i) SEQUENCE CHARACTERISTICS:  
--> 1420 (A) LENGTH: 15  
1421 (B) TYPE: AMINO ACID  
1422 (D) TOPOLOGY: LINEAR  
1423 (ii) MOLECULE TYPE: PEPTIDE  
1424 (ix) FEATURE:  
1425 (A) NAME/KEY: HUMAN iNOS (1012-1026)  
1426 (B) LOCATION:  
1427 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1428 (D) OTHER INFORMATION:  
1429 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 76:  
1430  
1431 Leu Val Phe Gly Ser Arg Arg Pro Asp Glu Asp His Ile  
1432 5 10  
--> 1433 Tyr Gln<sup>1</sup>-amide  
1434 15  
1435  
1436

---

1437 (2) INFORMATION FOR SEQ ID NO: 77:  
1438 (i) SEQUENCE CHARACTERISTICS:  
--> 1439 (A) LENGTH: 12  
1440 (B) TYPE: AMINO ACID  
1441 (D) TOPOLOGY: LINEAR  
1442 (ii) MOLECULE TYPE: PEPTIDE

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INPUT SET: S27446.raw

1443 (ix) FEATURE:  
1444 (A) NAME/KEY: HUMAN iNOS (1015-1026)  
1445 (B) LOCATION:  
1446 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1447 (D) OTHER INFORMATION:  
1448 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 77:  
1449  
--> 1450 Gly Ser Arg Arg Pro Asp Glu Asp His Ile Tyr Gln-amide  
1451 5 10  
1452  
1453  
1454  
1455

---

1456 (2) INFORMATION FOR SEQ ID NO: 78:  
1457 (i) SEQUENCE CHARACTERISTICS:  
--> 1458 (A) LENGTH: 9  
1459 (B) TYPE: AMINO ACID  
1460 (D) TOPOLOGY: LINEAR  
1461 (ii) MOLECULE TYPE: PEPTIDE  
1462 (ix) FEATURE:  
1463 (A) NAME/KEY: HUMAN iNOS (1018-1026)  
1464 (B) LOCATION:  
1465 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1466 (D) OTHER INFORMATION:  
1467 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 78:  
1468  
--> 1469 Arg Pro Asp Glu Asp His Ile Tyr Gln-amide  
1470 5  
1471  
1472

---

1473 (2) INFORMATION FOR SEQ ID NO: 79:  
1474 (i) SEQUENCE CHARACTERISTICS:  
--> 1475 (A) LENGTH: 6  
1476 (B) TYPE: AMINO ACID  
1477 (D) TOPOLOGY: LINEAR  
1478 (ii) MOLECULE TYPE: PEPTIDE  
1479 (ix) FEATURE:  
1480 (A) NAME/KEY: HUMAN iNOS (1021-1026)  
1481 (B) LOCATION:  
1482 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1483 (D) OTHER INFORMATION:  
1484 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 79:  
1485  
--> 1486 Glu Asp His Ile Tyr Gln-amide  
1487 5  
1488  
1489

---

1490 (2) INFORMATION FOR SEQ ID NO: 80:  
1491 (i) SEQUENCE CHARACTERISTICS:  
--> 1492 (A) LENGTH: 15

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1493 (B) TYPE: AMINO ACID  
1494 (D) TOPOLOGY: LINEAR  
1495 (ii) MOLECULE TYPE: PEPTIDE  
1496 (ix) FEATURE:  
1497 (A) NAME/KEY: HUMAN iNOS (1009-1023)  
1498 (B) LOCATION:  
1499 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1500 (D) OTHER INFORMATION:  
1501 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:  
1502  
1503 Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro Asp Glu  
1504 5 10  
--> 1505 Asp His-amide  
1506 15  
1507  
1508

---

1509 (2) INFORMATION FOR SEQ ID NO: 81:  
1510 (i) SEQUENCE CHARACTERISTICS:  
--> 1511 (A) LENGTH: 11  
1512 (B) TYPE: AMINO ACID  
1513 (D) TOPOLOGY: LINEAR  
1514 (ii) MOLECULE TYPE: PEPTIDE  
1515 (ix) FEATURE:  
1516 (A) NAME/KEY: HUMAN iNOS (1009-1020)  
1517 (B) LOCATION:  
1518 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1519 (D) OTHER INFORMATION:  
1520 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:  
1521  
--> 1522 Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro-amide  
1523 5 10  
1524  
1525

---

1526 (2) INFORMATION FOR SEQ ID NO: 82:  
1527 (i) SEQUENCE CHARACTERISTICS:  
--> 1528 (A) LENGTH: 9  
1529 (B) TYPE: AMINO ACID  
1530 (D) TOPOLOGY: LINEAR  
1531 (ii) MOLECULE TYPE: PEPTIDE  
1532 (ix) FEATURE:  
1533 (A) NAME/KEY: HUMAN iNOS (1009-1017)  
1534 (B) LOCATION:  
1535 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1536 (D) OTHER INFORMATION:  
1537 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:  
1538  
--> 1539 Arg Met Thr Leu Val Phe Gly Ser Arg-amide  
1540 5  
1541  
1542

---

1543 (2) INFORMATION FOR SEQ ID NO: 83:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
TIME: 12:33:51

INPUT SET: S27446.raw

1544 (i) SEQUENCE CHARACTERISTICS:  
--> 1545 (A) LENGTH: 6  
1546 (B) TYPE: AMINO ACID  
1547 (D) TOPOLOGY: LINEAR  
1548 (ii) MOLECULE TYPE: PEPTIDE  
1549 (ix) FEATURE:  
1550 (A) NAME/KEY: HUMAN iNOS (1009-1014)  
1551 (B) LOCATION:  
1552 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1553 (D) OTHER INFORMATION:  
1554 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:  
1555  
--> 1556 Arg Met Thr Leu Val Phe-amide  
1557 5  
1558  
1559  
1560

---

1595 (2) INFORMATION FOR SEQ ID NO: 86:  
1596 (i) SEQUENCE CHARACTERISTICS:  
--> 1597 (A) LENGTH: 18  
1598 (B) TYPE: AMINO ACID  
1599 (D) TOPOLOGY: LINEAR  
1600 (ii) MOLECULE TYPE: PEPTIDE  
1601 (ix) FEATURE:  
1602 (A) NAME/KEY: HUMAN iNOS (37-54)  
1603 (B) LOCATION:  
1604 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1605 (D) OTHER INFORMATION:  
1606 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:  
1607  
1608 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu  
1609 5 10  
--> 1610 Ser Lys Gln Gln Asn-amide  
1611 15  
1612  
1613

---

1614 (2) INFORMATION FOR SEQ ID NO: 87:  
1615 (i) SEQUENCE CHARACTERISTICS:  
--> 1616 (A) LENGTH: 5  
1617 (B) TYPE: AMINO ACID  
1618 (D) TOPOLOGY: LINEAR  
1619 (ii) MOLECULE TYPE: PEPTIDE  
1620 (ix) FEATURE:  
1621 (A) NAME/KEY: HUMAN iNOS (41-45)  
1622 (B) LOCATION:  
1623 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1624 (D) OTHER INFORMATION:  
1625 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 87:  
1626  
--> 1627 Gln Asp Asp Leu Gln-amide  
1628 5

INPUT SET: S27446.raw

1629  
1630

---

1631 (2) INFORMATION FOR SEQ ID NO: 88:  
1632 (i) SEQUENCE CHARACTERISTICS:  
--> 1633 (A) LENGTH: 6  
1634 (B) TYPE: AMINO ACID  
1635 (D) TOPOLOGY: LINEAR  
1636 (ii) MOLECULE TYPE: PEPTIDE  
1637 (ix) FEATURE:  
1638 (A) NAME/KEY: HUMAN iNOS (40-45)  
1639 (B) LOCATION:  
1640 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1641 (D) OTHER INFORMATION:  
1642 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 88:  
1643  
--> 1644 Thr Gln Asp Asp Leu Gln-amide  
1645 5  
1646  
1647

---

1648 (2) INFORMATION FOR SEQ ID NO: 89:  
1649 (i) SEQUENCE CHARACTERISTICS:  
--> 1650 (A) LENGTH: 7  
1651 (B) TYPE: AMINO ACID  
1652 (D) TOPOLOGY: LINEAR  
1653 (ii) MOLECULE TYPE: PEPTIDE  
1654 (ix) FEATURE:  
1655 (A) NAME/KEY: HUMAN iNOS (39-45)  
1656 (B) LOCATION:  
1657 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1658 (D) OTHER INFORMATION:  
1659 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 89:  
1660  
--> 1661 Val Thr Gln Asp Asp Leu Gln-amide  
1662 5  
1663  
1664  
1665  
1666

---

1667 (2) INFORMATION FOR SEQ ID NO: 90:  
1668 (i) SEQUENCE CHARACTERISTICS:  
--> 1669 (A) LENGTH: 8  
1670 (B) TYPE: AMINO ACID  
1671 (D) TOPOLOGY: LINEAR  
1672 (ii) MOLECULE TYPE: PEPTIDE  
1673 (ix) FEATURE:  
1674 (A) NAME/KEY: HUMAN iNOS (38-45)  
1675 (B) LOCATION:  
1676 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1677 (D) OTHER INFORMATION:  
1678 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 90:

INPUT SET: S27446.raw

1679  
--> 1680 Pro Val Thr Gln Asp Asp Leu Gln-amide  
1681 5  
1682  
1683

---

1684 (2) INFORMATION FOR SEQ ID NO: 91:  
1685 (i) SEQUENCE CHARACTERISTICS:  
--> 1686 (A) LENGTH: 9  
1687 (B) TYPE: AMINO ACID  
1688 (D) TOPOLOGY: LINEAR  
1689 (ii) MOLECULE TYPE: PEPTIDE  
1690 (ix) FEATURE:  
1691 (A) NAME/KEY: HUMAN iNOS (37-45)  
1692 (B) LOCATION:  
1693 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1694 (D) OTHER INFORMATION:  
1695 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 91:  
1696  
--> 1697 Ser Pro Val Thr Gln Asp Asp Leu Gln-amide  
1698 5  
1699  
1700

---

1701 (2) INFORMATION FOR SEQ ID NO: 92:  
1702 (i) SEQUENCE CHARACTERISTICS:  
--> 1703 (A) LENGTH: 5  
1704 (B) TYPE: AMINO ACID  
1705 (D) TOPOLOGY: LINEAR  
1706 (ii) MOLECULE TYPE: PEPTIDE  
1707 (ix) FEATURE:  
1708 (A) NAME/KEY: HUMAN iNOS (40-44)  
1709 (B) LOCATION:  
1710 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1711 (D) OTHER INFORMATION:  
1712 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 92:  
1713  
--> 1714 Thr Gln Asp Asp Leu-amide  
1715 5  
1716  
1717  
1718

---

1719 (2) INFORMATION FOR SEQ ID NO: 93:  
1720 (i) SEQUENCE CHARACTERISTICS:  
--> 1721 (A) LENGTH: 6  
1722 (B) TYPE: AMINO ACID  
1723 (D) TOPOLOGY: LINEAR  
1724 (ii) MOLECULE TYPE: PEPTIDE  
1725 (ix) FEATURE:  
1726 (A) NAME/KEY: HUMAN iNOS (39-44)  
1727 (B) LOCATION:  
1728 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
TIME: 12:33:56

INPUT SET: S27446.raw

1729 (D) OTHER INFORMATION:  
1730 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 93:  
1731  
--> 1732 Val Thr Gln Asp Asp Leu-amide  
1733 5  
1734  
1735

---

1736 (2) INFORMATION FOR SEQ ID NO: 94:  
1737 (i) SEQUENCE CHARACTERISTICS:  
--> 1738 (A) LENGTH: 7  
1739 (B) TYPE: AMINO ACID  
1740 (D) TOPOLOGY: LINEAR  
1741 (ii) MOLECULE TYPE: PEPTIDE  
1742 (ix) FEATURE:  
1743 (A) NAME/KEY: HUMAN iNOS (38-44)  
1744 (B) LOCATION:  
1745 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1746 (D) OTHER INFORMATION:  
1747 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:  
1748  
--> 1749 Pro Val Thr Gln Asp Asp Leu-amide  
1750 5  
1751  
1752

---

1753 (2) INFORMATION FOR SEQ ID NO: 95:  
1754 (i) SEQUENCE CHARACTERISTICS:  
--> 1755 (A) LENGTH: 8  
1756 (B) TYPE: AMINO ACID  
1757 (D) TOPOLOGY: LINEAR  
1758 (ii) MOLECULE TYPE: PEPTIDE  
1759 (ix) FEATURE:  
1760 (A) NAME/KEY: HUMAN iNOS (37-44)  
1761 (B) LOCATION:  
1762 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1763 (D) OTHER INFORMATION:  
1764 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 95:  
1765  
--> 1766 Ser Pro Val Thr Gln Asp Asp Leu-amide  
1767 5  
1768  
1769  
1770

---

1771 (2) INFORMATION FOR SEQ ID NO: 96:  
1772 (i) SEQUENCE CHARACTERISTICS:  
--> 1773 (A) LENGTH: 9  
1774 (B) TYPE: AMINO ACID  
1775 (D) TOPOLOGY: LINEAR  
1776 (ii) MOLECULE TYPE: PEPTIDE  
1777 (ix) FEATURE:  
1778 (A) NAME/KEY: HUMAN iNOS (36-44)

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
TIME: 12:33:57

INPUT SET: S27446.raw

1779 (B) LOCATION:  
1780 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1781 (D) OTHER INFORMATION:  
1782 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 96:  
1783  
--> 1784 Ser Ser Pro Val Thr Gln Asp Asp Leu-amide  
1785 5  
1786  
1787

---

1788 (2) INFORMATION FOR SEQ ID NO: 97:  
1789 (i) SEQUENCE CHARACTERISTICS:  
--> 1790 (A) LENGTH: 5  
1791 (B) TYPE: AMINO ACID  
1792 (D) TOPOLOGY: LINEAR  
1793 (ii) MOLECULE TYPE: PEPTIDE  
1794 (ix) FEATURE:  
1795 (A) NAME/KEY: HUMAN INOS (39-43)  
1796 (B) LOCATION:  
1797 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1798 (D) OTHER INFORMATION:  
1799 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:  
1800  
--> 1801 Val Thr Gln Asp Asp-amide  
1802 5  
1803  
1804

---

1805 (2) INFORMATION FOR SEQ ID NO: 98:  
1806 (i) SEQUENCE CHARACTERISTICS:  
--> 1807 (A) LENGTH: 6  
1808 (B) TYPE: AMINO ACID  
1809 (D) TOPOLOGY: LINEAR  
1810 (ii) MOLECULE TYPE: PEPTIDE  
1811 (ix) FEATURE:  
1812 (A) NAME/KEY: HUMAN INOS (38-43)  
1813 (B) LOCATION:  
1814 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1815 (D) OTHER INFORMATION:  
1816 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 98:  
1817  
--> 1818 Pro Val Thr Gln Asp Asp-amide  
1819 5  
1820  
1821  
1822

---

1823 (2) INFORMATION FOR SEQ ID NO: 99:  
1824 (i) SEQUENCE CHARACTERISTICS:  
--> 1825 (A) LENGTH: 7  
1826 (B) TYPE: AMINO ACID  
1827 (D) TOPOLOGY: LINEAR  
1828 (ii) MOLECULE TYPE: PEPTIDE

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

1829 (ix) FEATURE:  
1830 (A) NAME/KEY: HUMAN iNOS (37-43)  
1831 (B) LOCATION:  
1832 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1833 (D) OTHER INFORMATION:  
1834 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:  
1835  
--> 1836 Ser Pro Val Thr Gln Asp Asp-amide  
1837 5  
1838  
1839

---

1840 (2) INFORMATION FOR SEQ ID NO: 100:  
1841 (i) SEQUENCE CHARACTERISTICS:  
--> 1842 (A) LENGTH: 8  
1843 (B) TYPE: AMINO ACID  
1844 (D) TOPOLOGY: LINEAR  
1845 (ii) MOLECULE TYPE: PEPTIDE  
1846 (ix) FEATURE:  
1847 (A) NAME/KEY: HUMAN iNOS (36-43)  
1848 (B) LOCATION:  
1849 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1850 (D) OTHER INFORMATION:  
1851 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 100:  
1852  
--> 1853 Ser Ser Pro Val Thr Gln Asp Asp-amide  
1854 5  
1855  
1856

---

1857 (2) INFORMATION FOR SEQ ID NO: 101:  
1858 (i) SEQUENCE CHARACTERISTICS:  
--> 1859 (A) LENGTH: 9  
1860 (B) TYPE: AMINO ACID  
1861 (D) TOPOLOGY: LINEAR  
1862 (ii) MOLECULE TYPE: PEPTIDE  
1863 (ix) FEATURE:  
1864 (A) NAME/KEY: HUMAN iNOS (35-43)  
1865 (B) LOCATION:  
1866 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1867 (D) OTHER INFORMATION:  
1868 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 101:  
1869  
--> 1870 Thr Ser Ser Pro Val Thr Gln Asp Asp-amide  
1871 5  
1872  
1873  
1874

---

1875 (2) INFORMATION FOR SEQ ID NO: 102:  
1876 (i) SEQUENCE CHARACTERISTICS:  
--> 1877 (A) LENGTH: 18  
1878 (B) TYPE: AMINO ACID

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PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

1879 (D) TOPOLOGY: LINEAR  
1880 (ii) MOLECULE TYPE: PEPTIDE  
1881 (ix) FEATURE:  
1882 (A) NAME/KEY: HUMAN iNOS (37-54)  
1883 (B) LOCATION:  
1884 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1885 (D) OTHER INFORMATION:  
1886 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 102:  
1887  
1888 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu  
1889 5 10  
--> 1890 Ser Lys Gln Gln Asn-amide  
1891 15  
1892  
1893

---

1894 (2) INFORMATION FOR SEQ ID NO: 103:  
1895 (i) SEQUENCE CHARACTERISTICS:  
--> 1896 (A) LENGTH: 15  
1897 (B) TYPE: AMINO ACID  
1898 (D) TOPOLOGY: LINEAR  
1899 (ii) MOLECULE TYPE: PEPTIDE  
1900 (ix) FEATURE:  
1901 (A) NAME/KEY: HUMAN iNOS (40-54)  
1902 (B) LOCATION:  
1903 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1904 (D) OTHER INFORMATION:  
1905 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 103:  
1906  
1907 Thr Gln Asp Asp Leu Gln Tyr His Asn Leu Ser Lys Gln  
1908 5 10  
--> 1909 Gln Asn-amide  
1910 15  
1911  
1912

---

1913 (2) INFORMATION FOR SEQ ID NO: 104:  
1914 (i) SEQUENCE CHARACTERISTICS:  
--> 1915 (A) LENGTH: 12  
1916 (B) TYPE: AMINO ACID  
1917 (D) TOPOLOGY: LINEAR  
1918 (ii) MOLECULE TYPE: PEPTIDE  
1919 (ix) FEATURE:  
1920 (A) NAME/KEY: HUMAN iNOS (43-54)  
1921 (B) LOCATION:  
1922 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1923 (D) OTHER INFORMATION:  
1924 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 104:  
1925  
1926  
--> 1927 Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn-amide  
1928 5 10  
1929

INPUT SET: S27446.raw

1930

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1931 (2) INFORMATION FOR SEQ ID NO: 105:  
1932 (i) SEQUENCE CHARACTERISTICS:  
--> 1933 (A) LENGTH: 9  
1934 (B) TYPE: AMINO ACID  
1935 (D) TOPOLOGY: LINEAR  
1936 (ii) MOLECULE TYPE: PEPTIDE  
1937 (ix) FEATURE:  
1938 (A) NAME/KEY: HUMAN iNOS (46-54)  
1939 (B) LOCATION:  
1940 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1941 (D) OTHER INFORMATION:  
1942 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 105:  
1943  
--> 1944 Tyr His Asn Leu Ser Lys Gln Gln Asn-amide  
1945 5  
1946  
1947

---

1948 (2) INFORMATION FOR SEQ ID NO: 106:  
1949 (i) SEQUENCE CHARACTERISTICS:  
--> 1950 (A) LENGTH: 6  
1951 (B) TYPE: AMINO ACID  
1952 (D) TOPOLOGY: LINEAR  
1953 (ii) MOLECULE TYPE: PEPTIDE  
1954 (ix) FEATURE:  
1955 (A) NAME/KEY: HUMAN iNOS (49-54)  
1956 (B) LOCATION:  
1957 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1958 (D) OTHER INFORMATION:  
1959 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 106:  
1960  
--> 1961 Leu Ser Lys Gln Gln Asn-amide  
1962 5  
1963  
1964

---

1965 (2) INFORMATION FOR SEQ ID NO: 107:  
1966 (i) SEQUENCE CHARACTERISTICS:  
--> 1967 (A) LENGTH: 15  
1968 (B) TYPE: AMINO ACID  
1969 (D) TOPOLOGY: LINEAR  
1970 (ii) MOLECULE TYPE: PEPTIDE  
1971 (ix) FEATURE:  
1972 (A) NAME/KEY: HUMAN iNOS (37-51)  
1973 (B) LOCATION:  
1974 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1975 (D) OTHER INFORMATION:  
1976 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107:  
1977  
1978 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu  
1979 5 10

INPUT SET: S27446.raw

--> 1980 Ser Lys-amide  
1981 15  
1982  
1983

---

1984 (2) INFORMATION FOR SEQ ID NO: 108:  
1985 (i) SEQUENCE CHARACTERISTICS:  
--> 1986 (A) LENGTH: 12  
1987 (B) TYPE: AMINO ACID  
1988 (D) TOPOLOGY: LINEAR  
1989 (ii) MOLECULE TYPE: PEPTIDE  
1990 (ix) FEATURE:  
1991 (A) NAME/KEY: HUMAN iNOS (37-48)  
1992 (B) LOCATION:  
1993 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
1994 (D) OTHER INFORMATION:  
1995 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:  
1996  
--> 1997 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-amide  
1998 5 10  
1999  
2000

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2001 (2) INFORMATION FOR SEQ ID NO: 109:  
2002 (i) SEQUENCE CHARACTERISTICS:  
--> 2003 (A) LENGTH: 9  
2004 (B) TYPE: AMINO ACID  
2005 (D) TOPOLOGY: LINEAR  
2006 (ii) MOLECULE TYPE: PEPTIDE  
2007 (ix) FEATURE:  
2008 (A) NAME/KEY: HUMAN iNOS (37-45)  
2009 (B) LOCATION:  
2010 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2011 (D) OTHER INFORMATION:  
2012 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 109:  
2013  
--> 2014 Ser Pro Val Thr Gln Asp Asp Leu Gln-amide  
2015 5  
2016  
2017

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2018 (2) INFORMATION FOR SEQ ID NO: 110:  
2019 (i) SEQUENCE CHARACTERISTICS:  
--> 2020 (A) LENGTH: 6  
2021 (B) TYPE: AMINO ACID  
2022 (D) TOPOLOGY: LINEAR  
2023 (ii) MOLECULE TYPE: PEPTIDE  
2024 (ix) FEATURE:  
2025 (A) NAME/KEY: HUMAN iNOS (37-42)  
2026 (B) LOCATION:  
2027 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2028 (D) OTHER INFORMATION:  
2029 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 110:

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PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

2030  
2031  
--> 2032 Ser Pro Val Thr Gln Asp-amide  
2033 5  
2034  
2035

---

2036 (2) INFORMATION FOR SEQ ID NO: 111:  
2037 (i) SEQUENCE CHARACTERISTICS:  
--> 2038 (A) LENGTH: 10  
2039 (B) TYPE: AMINO ACID  
2040 (D) TOPOLOGY: LINEAR  
2041 (ii) MOLECULE TYPE: PEPTIDE  
2042 (ix) FEATURE:  
2043 (A) NAME/KEY: HUMAN iNOS (35-44)  
2044 (B) LOCATION:  
2045 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2046 (D) OTHER INFORMATION:  
2047 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 111:  
2048  
--> 2049 Thr Ser Ser Pro Val Thr Gln Asp Asp Leu-amide  
2050 5 10  
2051  
2052

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2053 (2) INFORMATION FOR SEQ ID NO: 112:  
2054 (i) SEQUENCE CHARACTERISTICS:  
--> 2055 (A) LENGTH: 18  
2056 (B) TYPE: AMINO ACID  
2057 (D) TOPOLOGY: LINEAR  
2058 (ii) MOLECULE TYPE: PEPTIDE  
2059 (ix) FEATURE:  
2060 (A) NAME/KEY: HUMAN iNOS (781-798)  
2061 (B) LOCATION:  
2062 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2063 (D) OTHER INFORMATION:  
2064 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 112:  
2065  
2066 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp  
2067 5 10  
--> 2068 Gly Pro Thr Pro His-amide  
2069 15  
2070  
2071

---

2072 (2) INFORMATION FOR SEQ ID NO: 113:  
2073 (i) SEQUENCE CHARACTERISTICS:  
--> 2074 (A) LENGTH: 5  
2075 (B) TYPE: AMINO ACID  
2076 (D) TOPOLOGY: LINEAR  
2077 (ii) MOLECULE TYPE: PEPTIDE  
2078 (ix) FEATURE:  
2079 (A) NAME/KEY: HUMAN iNOS (788-792)

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PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

2080 (B) LOCATION:  
2081 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2082 (D) OTHER INFORMATION:  
2083  
2084 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 113:  
2085  
--> 2086 Leu Glu Arg Val Val<sup>5</sup>-amide  
2087  
2088  
2089

---

2090 (2) INFORMATION FOR SEQ ID NO: 114:  
2091 (i) SEQUENCE CHARACTERISTICS:  
--> 2092 (A) LENGTH: 6  
2093 (B) TYPE: AMINO ACID  
2094 (D) TOPOLOGY: LINEAR  
2095 (ii) MOLECULE TYPE: PEPTIDE  
2096 (ix) FEATURE:  
2097 (A) NAME/KEY: HUMAN iNOS (787-792)  
2098 (B) LOCATION:  
2099 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2100 (D) OTHER INFORMATION:  
2101 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 114:  
2102  
--> 2103 Ile Leu Glu Arg Val Val<sup>5</sup>-amide  
2104  
2105  
2106

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2107 (2) INFORMATION FOR SEQ ID NO: 115:  
2108 (i) SEQUENCE CHARACTERISTICS:  
--> 2109 (A) LENGTH: 7  
2110 (B) TYPE: AMINO ACID  
2111 (D) TOPOLOGY: LINEAR  
2112 (ii) MOLECULE TYPE: PEPTIDE  
2113 (ix) FEATURE:  
2114 (A) NAME/KEY: HUMAN iNOS (786-792)  
2115 (B) LOCATION:  
2116 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2117 (D) OTHER INFORMATION:  
2118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 115:  
2119  
--> 2120 Gly Ile Leu Glu Arg Val Val<sup>5</sup>-amide  
2121  
2122  
2123

---

2124 (2) INFORMATION FOR SEQ ID NO: 116:  
2125 (i) SEQUENCE CHARACTERISTICS:  
--> 2126 (A) LENGTH: 8  
2127 (B) TYPE: AMINO ACID  
2128 (D) TOPOLOGY: LINEAR  
2129 (ii) MOLECULE TYPE: PEPTIDE

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PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

2130 (ix) FEATURE:  
2131 (A) NAME/KEY: HUMAN iNOS (785-792)  
2132 (B) LOCATION:  
2133 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2134 (D) OTHER INFORMATION:  
2135  
2136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 116:  
2137  
--> 2138 Gln Gly Ile Leu Glu Arg Val Val-amide  
2139 5  
2140  
2141

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2142 (2) INFORMATION FOR SEQ ID NO: 117:  
2143 (i) SEQUENCE CHARACTERISTICS:  
--> 2144 (A) LENGTH: 9  
2145 (B) TYPE: AMINO ACID  
2146 (D) TOPOLOGY: LINEAR  
2147 (ii) MOLECULE TYPE: PEPTIDE  
2148 (ix) FEATURE:  
2149 (A) NAME/KEY: HUMAN iNOS (784-792)  
2150 (B) LOCATION:  
2151 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2152 (D) OTHER INFORMATION:  
2153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 117:  
2154  
--> 2155 Val Gln Gly Ile Leu Glu Arg Val Val-amide  
2156 5  
2157  
2158

---

2159 (2) INFORMATION FOR SEQ ID NO: 118:  
2160 (i) SEQUENCE CHARACTERISTICS:  
--> 2161 (A) LENGTH: 5  
2162 (B) TYPE: AMINO ACID  
2163 (D) TOPOLOGY: LINEAR  
2164 (ii) MOLECULE TYPE: PEPTIDE  
2165 (ix) FEATURE:  
2166 (A) NAME/KEY: HUMAN iNOS (787-791)  
2167 (B) LOCATION:  
2168 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2169 (D) OTHER INFORMATION:  
2170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 118:  
2171  
--> 2172 Ile Leu Glu Arg Val-amide  
2173 5  
2174  
2175

---

2176 (2) INFORMATION FOR SEQ ID NO: 119:  
2177 (i) SEQUENCE CHARACTERISTICS:  
--> 2178 (A) LENGTH: 6  
2179 (B) TYPE: AMINO ACID

RAW SEQUENCE LISTING  
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2180 (D) TOPOLOGY: LINEAR  
2181 (ii) MOLECULE TYPE: PEPTIDE  
2182 (ix) FEATURE:  
2183 (A) NAME/KEY: HUMAN iNOS (786-791)  
2184 (B) LOCATION:  
2185 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2186 (D) OTHER INFORMATION:  
2187  
2188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 119:  
2189  
--> 2190 Gly Ile Leu Glu Arg Val-amide  
2191 5  
2192  
2193

---

2194 (2) INFORMATION FOR SEQ ID NO: 120:  
2195 (i) SEQUENCE CHARACTERISTICS:  
--> 2196 (A) LENGTH: 7  
2197 (B) TYPE: AMINO ACID  
2198 (D) TOPOLOGY: LINEAR  
2199 (ii) MOLECULE TYPE: PEPTIDE  
2200 (ix) FEATURE:  
2201 (A) NAME/KEY: HUMAN iNOS (785-791)  
2202 (B) LOCATION:  
2203 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2204 (D) OTHER INFORMATION:  
2205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 120:  
2206  
--> 2207 Gln Gly Ile Leu Glu Arg Val-amide  
2208 5  
2209  
2210

---

2211 (2) INFORMATION FOR SEQ ID NO: 121:  
2212 (i) SEQUENCE CHARACTERISTICS:  
--> 2213 (A) LENGTH: 8  
2214 (B) TYPE: AMINO ACID  
2215 (D) TOPOLOGY: LINEAR  
2216 (ii) MOLECULE TYPE: PEPTIDE  
2217 (ix) FEATURE:  
2218 (A) NAME/KEY: HUMAN iNOS (784-791)  
2219 (B) LOCATION:  
2220 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2221 (D) OTHER INFORMATION:  
2222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 121:  
2223  
--> 2224 Val Gln Gly Ile Leu Glu Arg Val-amide  
2225 5  
2226  
2227

---

2228 (2) INFORMATION FOR SEQ ID NO: 122:  
2229 (i) SEQUENCE CHARACTERISTICS:

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--> 2230 (A) LENGTH: 9  
2231 (B) TYPE: AMINO ACID  
2232 (D) TOPOLOGY: LINEAR  
2233 (ii) MOLECULE TYPE: PEPTIDE  
2234 (ix) FEATURE:  
2235 (A) NAME/KEY: HUMAN iNOS (783-791)  
2236 (B) LOCATION:  
2237 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2238 (D) OTHER INFORMATION:  
2239  
2240 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 122:  
2241  
--> 2242 Leu Val Gln Gly Ile Leu Glu Arg Val-amide  
2243 5  
2244  
2245

---

2246 (2) INFORMATION FOR SEQ ID NO: 123:  
2247 (i) SEQUENCE CHARACTERISTICS:  
--> 2248 (A) LENGTH: 5  
2249 (B) TYPE: AMINO ACID  
2250 (D) TOPOLOGY: LINEAR  
2251 (ii) MOLECULE TYPE: PEPTIDE  
2252 (ix) FEATURE:  
2253 (A) NAME/KEY: HUMAN iNOS (786-790)  
2254 (B) LOCATION:  
2255 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2256 (D) OTHER INFORMATION:  
2257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 123:  
2258  
--> 2259 Gly Ile Leu Glu Arg-amide  
2260 5  
2261  
2262

---

2263 (2) INFORMATION FOR SEQ ID NO: 124:  
2264 (i) SEQUENCE CHARACTERISTICS:  
--> 2265 (A) LENGTH: 6  
2266 (B) TYPE: AMINO ACID  
2267 (D) TOPOLOGY: LINEAR  
2268 (ii) MOLECULE TYPE: PEPTIDE  
2269 (ix) FEATURE:  
2270 (A) NAME/KEY: HUMAN iNOS (785-790)  
2271 (B) LOCATION:  
2272 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2273 (D) OTHER INFORMATION:  
2274 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 124:  
2275  
--> 2276 Gln Gly Ile Leu Glu Arg-amide  
2277 5  
2278  
2279

---

2280 (2) INFORMATION FOR SEQ ID NO: 125:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
TIME: 12:34:13

INPUT SET: S27446.raw

2281 (i) SEQUENCE CHARACTERISTICS:  
--> 2282 (A) LENGTH: 7  
2283 (B) TYPE: AMINO ACID  
2284 (D) TOPOLOGY: LINEAR  
2285 (ii) MOLECULE TYPE: PEPTIDE  
2286 (ix) FEATURE:  
2287 (A) NAME/KEY: HUMAN iNOS (784-790)  
2288 (B) LOCATION:  
2289 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2290 (D) OTHER INFORMATION:  
2291  
2292 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 125:  
2293  
--> 2294 Val Gln Gly Ile Leu Glu Arg-amide  
2295 5  
2296  
2297

---

2298 (2) INFORMATION FOR SEQ ID NO: 126:  
2299 (i) SEQUENCE CHARACTERISTICS:  
--> 2300 (A) LENGTH: 8  
2301 (B) TYPE: AMINO ACID  
2302 (D) TOPOLOGY: LINEAR  
2303 (ii) MOLECULE TYPE: PEPTIDE  
2304 (ix) FEATURE:  
2305 (A) NAME/KEY: HUMAN iNOS (783-790)  
2306 (B) LOCATION:  
2307 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS  
2308 (D) OTHER INFORMATION:  
2309  
2310 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126:  
2311  
--> 2312 Leu Val Gln Gly Ile Leu Glu Arg-amide  
2313 5  
2314

---

# SEQUENCE VERIFICATION REPORT

## PATENT APPLICATION US/08/833,506

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INPUT SET: S27446.raw

Line	Error	Original Text
7	Number of Sequences (85) Doesn't Equal Actual Count (126)	(iii) NUMBER OF SEQUENCES: 85
21	Wrong application Serial Number	(A) APPLICATION NUMBER: 08/634,332
135	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
146	Wrong Amino Acid Designator	Xxx Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val
155	Entered (18) and Calc. Seq. Length (15) differ	(A) LENGTH: 18
166	Wrong Amino Acid Designator	Xxx Xxx Leu Val Gln Gly Ile Leu Glu Arg Val Val
166	Wrong Amino Acid Designator	Xxx Xxx Leu Val Gln Gly Ile Leu Glu Arg Val Val
168	Wrong Amino Acid Designator	Cys Ser Ser Pro Xxx
250	Entered (18) and Calc. Seq. Length (15) differ	(A) LENGTH: 18
263	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
263	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
263	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
269	Entered (18) and Calc. Seq. Length (15) differ	(A) LENGTH: 18
282	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
282	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
282	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
421	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
432	Wrong Amino Acid Designator	Cap-Gly Asn Leu Lys Ser Val Ala Gln Glu Pro Gly
629	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
642	Wrong Amino Acid Designator	Pro Val Thr Gln Asp-amide
648	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
661	Wrong Amino Acid Designator	Pro Thr Ile Gln Asp-amide
667	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
680	Wrong Amino Acid Designator	Pro Thr Thr Gln Asp-amide
686	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
699	Wrong Amino Acid Designator	Gln Asp-amide
705	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
716	Wrong Amino Acid Designator	Ala Pro Ser Ala Thr Ser Ser Pro Val Thr Gln Asp-a
722	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
733	Wrong Amino Acid Designator	Ala Thr Ser Ser Pro Val Thr Gln Asp-amide
739	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
750	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp-amide
756	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
769	Wrong Amino Acid Designator	Pro Val-amide
775	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
786	Wrong Amino Acid Designator	Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser-a
792	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
803	Wrong Amino Acid Designator	Asn Asn Asn Val Glu Lys Ala Pro Ser-amide
809	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
820	Wrong Amino Acid Designator	Asn Asn Asn Val Glu Lys-amide
826	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
839	Wrong Amino Acid Designator	Ser Lys Gln Gln Asn-amide
845	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
858	Wrong Amino Acid Designator	Gln Asn-amide
864	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
875	Wrong Amino Acid Designator	Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn
883	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
894	Wrong Amino Acid Designator	Tyr His Asn Leu Ser Lys Gln Gln Asn-amide

# SEQUENCE VERIFICATION REPORT

## PATENT APPLICATION US/08/833,506

DATE: 07/14/98  
TIME: 12:34:23

INPUT SET: S27446.raw

Line	Error	Original Text
900	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
911	Wrong Amino Acid Designator	Leu Ser Lys Gln Gln Asn-amide
917	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
930	Wrong Amino Acid Designator	Ser Lys-amide
936	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
947	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-
953	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
964	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
970	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
981	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp-amide
988	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1001	Wrong Amino Acid Designator	Gly Pro Thr Pro His-amide
1007	Entered (19) and Calc. Seq. Length (18) differ	(A) LENGTH: 19
1020	Wrong Amino Acid Designator	Pro Pro Ala Pro Thr Glu-amide
1026	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1040	Wrong Amino Acid Designator	Pro His-amide
1046	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1057	Wrong Amino Acid Designator	Ile Leu Glu Arg Val Val Asp Gly Pro Thr Pro His-a
1063	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1074	Wrong Amino Acid Designator	Arg Val Val Asp Gly Pro Thr Pro His-amide
1080	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1091	Wrong Amino Acid Designator	Asp Gly Pro Thr Pro His-amide
1097	Entered (14) and Calc. Seq. Length (13) differ	(A) LENGTH: 14
1110	Wrong Amino Acid Designator	Gly-amide
1115	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1126	Wrong Amino Acid Designator	Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val-a
1132	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1143	Wrong Amino Acid Designator	Pro Ala Leu Val Gln Gly Ile Leu Glu-amide
1149	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1160	Wrong Amino Acid Designator	Pro Ala Leu Val Gln Gly-amide
1166	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1179	Wrong Amino Acid Designator	His Asp Ser Gln His-amide
1185	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1198	Wrong Amino Acid Designator	Phe Asp Ile Gln His-amide
1204	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1217	Wrong Amino Acid Designator	His Asp-amide
1223	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1236	Wrong Amino Acid Designator	Gln His-amide
1242	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1253	Wrong Amino Acid Designator	Ser Phe Trp Gln Gln Arg Leu His Asp Ser Gln His-a
1259	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1270	Wrong Amino Acid Designator	Gln Gln Arg Leu His Asp Ser Gln His-amide
1276	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1287	Wrong Amino Acid Designator	His Asp Ser Gln His-amide
1293	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1306	Wrong Amino Acid Designator	His Asp-amide
1312	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1323	Wrong Amino Acid Designator	Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg-a

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## PATENT APPLICATION US/08/833,506

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TIME: 12:34:24

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Line	Error	Original Text
1329	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1340	Wrong Amino Acid Designator	Gly Ile Val Pro Phe Arg Ser Phe Trp-amide
1346	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1357	Wrong Amino Acid Designator	Gly Ile Val Pro Phe Arg-amide
1363	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1376	Wrong Amino Acid Designator	Asp His Ile Tyr Gln-amide
1382	Entered (17) and Calc. Seq. Length (16) differ	(A) LENGTH: 17
1395	Wrong Amino Acid Designator	His Leu Tyr Arg-amide
1401	Entered (17) and Calc. Seq. Length (16) differ	(A) LENGTH: 17
1414	Wrong Amino Acid Designator	His Ile Tyr Arg-amide
1420	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1433	Wrong Amino Acid Designator	Tyr Gln-amide
1439	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1450	Wrong Amino Acid Designator	Gly Ser Arg Arg Pro Asp Glu Asp His Ile Tyr Gln-a
1458	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1469	Wrong Amino Acid Designator	Arg Pro Asp Glu Asp His Ile Tyr Gln-amide
1475	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1486	Wrong Amino Acid Designator	Glu Asp His Ile Tyr Gln-amide
1492	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1505	Wrong Amino Acid Designator	Asp His-amide
1511	Entered (11) and Calc. Seq. Length (10) differ	(A) LENGTH: 11
1522	Wrong Amino Acid Designator	Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro-amid
1528	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1539	Wrong Amino Acid Designator	Arg Met Thr Leu Val Phe Gly Ser Arg-amide
1545	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1556	Wrong Amino Acid Designator	Arg Met Thr Leu Val Phe-amide
1597	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1610	Wrong Amino Acid Designator	Ser Lys Gln Gln Asn-amide
1616	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1627	Wrong Amino Acid Designator	Gln Asp Asp Leu Gln-amide
1633	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1644	Wrong Amino Acid Designator	Thr Gln Asp Asp Leu Gln-amide
1650	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
1661	Wrong Amino Acid Designator	Val Thr Gln Asp Asp Leu Gln-amide
1669	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
1680	Wrong Amino Acid Designator	Pro Val Thr Gln Asp Asp Leu Gln-amide
1686	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1697	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
1703	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1714	Wrong Amino Acid Designator	Thr Gln Asp Asp Leu-amide
1721	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1732	Wrong Amino Acid Designator	Val Thr Gln Asp Asp Leu-amide
1738	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
1749	Wrong Amino Acid Designator	Pro Val Thr Gln Asp Asp Leu-amide
1755	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
1766	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu-amide
1773	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1784	Wrong Amino Acid Designator	Ser Ser Pro Val Thr Gln Asp Asp Leu-amide

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DATE: 07/14/98  
TIME: 12:34:26

INPUT SET: S27446.raw

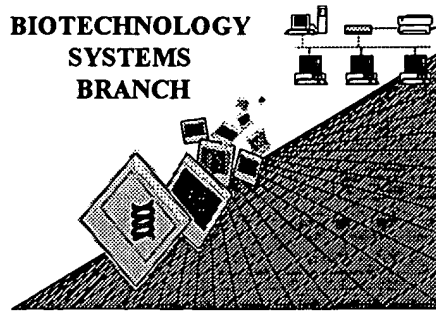
Line	Error	Original Text
1790	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1801	Wrong Amino Acid Designator	Val Thr Gln Asp Asp-amide
1807	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1818	Wrong Amino Acid Designator	Pro Val Thr Gln Asp Asp-amide
1825	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
1836	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp-amide
1842	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
1853	Wrong Amino Acid Designator	Ser Ser Pro Val Thr Gln Asp Asp-amide
1859	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1870	Wrong Amino Acid Designator	Thr Ser Ser Pro Val Thr Gln Asp Asp-amide
1877	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1890	Wrong Amino Acid Designator	Ser Lys Gln Gln Asn-amide
1896	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1909	Wrong Amino Acid Designator	Gln Asn-amide
1915	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1927	Wrong Amino Acid Designator	Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn
1933	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1944	Wrong Amino Acid Designator	Tyr His Asn Leu Ser Lys Gln Gln Asn-amide
1950	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1961	Wrong Amino Acid Designator	Leu Ser Lys Gln Gln Asn-amide
1967	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1980	Wrong Amino Acid Designator	Ser Lys-amide
1986	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1997	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-
2003	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
2014	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
2020	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2032	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp-amide
2038	Entered (10) and Calc. Seq. Length (9) differ	(A) LENGTH: 10
2049	Wrong Amino Acid Designator	Thr Ser Ser Pro Val Thr Gln Asp Asp Leu-amide
2055	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
2068	Wrong Amino Acid Designator	Gly Pro Thr Pro His-amide
2074	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
2086	Wrong Amino Acid Designator	Leu Glu Arg Val Val-amide
2092	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2103	Wrong Amino Acid Designator	Ile Leu Glu Arg Val Val-amide
2109	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
2120	Wrong Amino Acid Designator	Gly Ile Leu Glu Arg Val Val-amide
2126	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
2138	Wrong Amino Acid Designator	Gln Gly Ile Leu Glu Arg Val Val-amide
2144	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
2155	Wrong Amino Acid Designator	Val Gln Gly Ile Leu Glu Arg Val Val-amide
2161	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
2172	Wrong Amino Acid Designator	Ile Leu Glu Arg Val-amide
2178	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2190	Wrong Amino Acid Designator	Gly Ile Leu Glu Arg Val-amide
2196	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
2207	Wrong Amino Acid Designator	Gln Gly Ile Leu Glu Arg Val-amide

SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/08/833,506DATE: 07/14/98  
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INPUT SET: S27446.raw

Line	Error	Original Text
2213	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
2224	Wrong Amino Acid Designator	Val Gln Gly Ile Leu Glu Arg Val-amide
2230	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
2242	Wrong Amino Acid Designator	Leu Val Gln Gly Ile Leu Glu Arg Val-amide
2248	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
2259	Wrong Amino Acid Designator	Gly Ile Leu Glu Arg-amide
2265	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2276	Wrong Amino Acid Designator	Gln Gly Ile Leu Glu Arg-amide
2282	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
2294	Wrong Amino Acid Designator	Val Gln Gly Ile Leu Glu Arg-amide
2300	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
2312	Wrong Amino Acid Designator	Leu Val Gln Gly Ile Leu Glu Arg-amide

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## Notice of Availability of Checker Program

### Applicant Aid for Biotechnology Computer Readable Form (CRF) Sequence Listing Submissions

The Patent and Trademark Office (PTO) has developed a computer program, called Checker, that will aid applicants in identifying and correcting errors prior to making submissions for compliance with the Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (Sequence Rules: 37CFR 1.821 through 1.825). Final rules were published in the *Federal Register* (55 FR18230) on May 1, 1990, and in the PTO *Official Gazette* (1114 Off.Gaz.PatOffice 29) on May 15, 1990.

Checker is a DOS-based software program that is intended to assist users in determining whether errors may be present in the sequence listings, and is not intended to guarantee that the submission is error-free.

The most current version of the software is available via computer downloading, details are below. Copies on diskette are also available. Updated software versions will not be automatically mailed out; any updates will be announced in the PTO *Official Gazette*.

The software can be accessed/requested from the following locations:

- 1) Dial-up access through the Internet. Location is <ftp://ftp.uspto.gov>  
The software is in current directory: [pub/checker/](ftp://ftp.uspto.gov/pub/checker/)  
Download all the files. Cost: Free-of-charge
- 3) For diskette copies, mail to: U.S.P.T.O., OEIP, CRYSTAL PARK 3, SUITE 441  
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